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ANDROSCOGGIN COUNTY



ADMINISTRATOR

Larry Post

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January 12, 2016

REQUEST FOR BIDS

The Androscoggin County Commissioners are soliciting bids for 20- 110 watt mobile radios Motorola APX 6500 for the Sheriff's Patrol vehicles. Please see pages 2-3 for specifications.

All bids must be sealed and addressed to the Androscoggin County Commissioners, 2 Turner Street Unit 2, Auburn, Maine 04210. The envelope must be outlined on the outside "Bid for 20 - 110 watt mobile radios." Bids will be publicly opened on January 28, 2016 at 10:30 a.m. in the First Floor Conference Room.

The Commissioners reserve the right to refuse or reject any and all bids or waive any minor discrepancies or technicalities in the bids or specifications, when deemed to be in the best interest of the County.

If you have any questions regarding this matter please feel free to call Captain Raymond Lafrance at (207) 753-2561.

Larry Post
County Administrator



Androscoggin County

2016 Motorola APX 6500 Project 25 Mobile Radios

All items appearing in the bidder's regular published specifications are assumed to be included in the bidder's proposal. Delivery date must be specified.

Mobile Radio: 20 APX 6500 Mobile Radio's with 03 Hand Held Control Head.

Transmitter Specifications: VHF 136 – 174 MHz

Frequency Range / Bandsplits: 136 – 174 MHz

Channel Spacing: 12.5KHz

Maximum Frequency Separation: Full Bandsplit

Rated RF Output Power Adj: 25 – 110 Watts

Frequency Stability: +0.0002%

Modulation Limiting: +5KHz / +52.5KHz

Modulation Fidelity (C4FM) 12.5 KHz Digital Channel: +2.8KHz

Emissions: Conducted -85dBc / Radiated -20dBm

Audio Response: +1, -3dB (FIA)

FM Hum & Noise 12.5 KHz: -53dB

Audio Distortion: 2%

Receiver Specifications: VHF 136 – 174 MHz

Frequency Range / Bandsplits: 136 – 174 MHz.

Channel Spacing: 12.5 KHz

Maximum Frequency Separation: Full Bandsplit

Audio Output Power at 3% Distortion: 7.5W or 15W++

Frequency Stability: +/-0.8PPM

Analog Sensitivity: Pre-Amp -123dBm / Standard -119dBm

Digital Sensitivity: Pre-Amp -123dBm / Standard -119dBm

Intermodulation: 12.5KHz Pre-Amp 85dB / Standard 86dB

Spurious Rejection: 95dB

Audio Distortion at rated: 1.20%

FM Hum & Noise 12.5KHz: 50dB

Selectivity 12.5KHz: 75dB

Power:

Model Type: 136 – 174 MHz

Minimum RF Power Output: 25 -110 Watts

Operation: 13.8V DC + 20%Negative Ground

Standby at 13.8V: 0.85A (136 – 174 MHz

Receive Current at Rated Audio at 13.8V: 3.2A (134 – 174 MHz)

Transmit Current (A) at Rated Power: 136 – 174 MHz (25 – 110 Watt) 20A (110W)

Mobile Military Standards: MIL-STD 810C, 810D, 810E, 810F, 810G

Antenna: 20 New ASPR 7495 Antennas with cables and connections.

Installations: Install 15 Mobile Radios and remove 15 old radios from vehicles.
Mobile radios are to be mounted in the back of the vehicles with the Microphone controller on the dash.

Program: Over 100 frequencies in all new radios.

Options:	G806BE	ADD: ASTRO DIGITAL CAI OPERATIONS
	G72AD	ADD: 03 CONTROL HEAD
	G400AY	ENH: 1 YEAR REPAIR SERVICE ADVANTAGE
	G444AE	ADD: APX CONTROL HEAD SOFTWARE
	G831AD	ADD: SPKD 15W WATER RESISTANT
	G48AD	EHN: CONVENTIONAL OPERATION APX6500
	G387AD	ADD: MULITCAST VOTING SCAN
	G620AA	03 9FT. EXTENSION CABLE
	W12DK	ADD: RF PREAMP

Any questions contact Captain Raymond Lafrance (207) 753-2561